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Substitute Form PTO-1449 (Modified) MAR 15 2004 INFORMATION DISCLOSURE STATEMENT by Applicant (Use several sheets if necessary) (b)(1)	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 10449-033001	Application No. 09/748,400
	Applicant Koji Hayashi et al.			
	Filing Date December 26, 2000		Group Art Unit 2615 7653	

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>W</i>	AA	5,317,553	05/31/94	Ohga et al.	<i>369</i>	<i>53.18</i>	

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
<i>W</i>	AB	4-103079	04/06/92	Japan (corresponds to U.S. 5,317,553, enclosed)	<i>/</i>	<i>/</i>		

Other Documents (include Author, Title, Date, and Place of Publication)

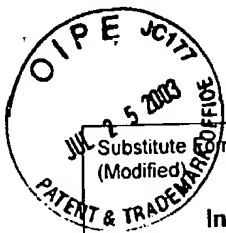
Examiner Initial	Desig. ID	Document
<i>W</i>	AC	Abstract for Japanese Patent No. JP1312736, Publication Date December 18, 1989, Title: Optical Disk Device and Optical Disk
<i>W</i>	AD	Abstract for Japanese Patent No. JP3260958, Publication Date: November 20, 1991, Title: Optical Disk Device
<i>W</i>	AE	Abstract for Japanese Patent No. JP6076401, Publication Date: March 18, 1994, Title: Magneto-Optical Recording Method for Magneto-Optical Disk of Large Heat Time Constant, Recording Device and Magneto-Optical Disk
<i>W</i>	AF	Abstract for Japanese Patent No. JP6162511, Publication Date: June 10, 1994, Title: Recording Method for Optical Disk Employing Draw Type Disk Recording Device
<i>W</i>	AG	Abstract for Japanese Patent No. JP10241165, Publication Date: September 11, 1998, Title: Pulse Generating Circuit and Optical Disc Driver

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Examiner Signature <i>Kim Chun</i>	Date Considered <i>7/21/04</i>
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Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-033001	Application No. 09/748,400
	Applicant Koji Hayashi et al.		
	Filing Date December 26, 2000	Group Art Unit 2615 2653	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>KE</i>	AA	6,084,731	Jul. 4, 2000	Uchida et al.			
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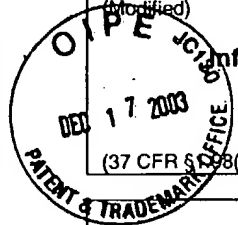
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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
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	AL							
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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
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Examiner Signature <i>Kim Chen</i>	Date Considered <i>7/21/04</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR § 1.98(b))		Applicant Koji Hayashi et al.	
		Filing Date December 26, 2000	Group Art Unit 2615 2653

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
KL	AA	6,584,053	06/24/03	Tsukihashi	369	53.34	✓
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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
KL	AG	408147879A	06/07/96	Japan				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
KL	AH	Japan registered publication no. 2842262, equivalent to above noted document AG
	AI	
	AJ	
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Examiner Signature <i>[Signature]</i>	Date Considered 7/21/04
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-033001	Application No. 09/748,400
	Applicant Koji Hayashi et al.		
	Filing Date December 26, 2000	Group Art Unit 2653	

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
lc	AA	5,305,298	04/19/1994	Tsuneshi Yokota	/	/	
lc	AB	5,910,935	06/08/1999	Hirihito Takagi et al.	/	/	
lc	AC	6,208,599	03/27/2001	Misao Fukuda	/	/	
lc	AD	6,438,083	08/20/2002	Jacobus P.C. Kroon	/	/	
lc	AE	6,487,616	11/26/2002	Koji Hayashi	/	/	
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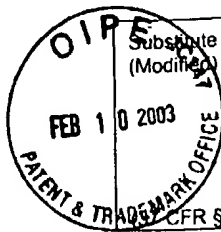
Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
lc	AL	11-259982	24.09.1999	Japan	/	/		
lc	AM	0 974 966	26.01.2000	EPO	/	/		
	AN							
	AO							
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Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
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Examiner Signature <i>Kim Chun</i>	Date Considered 7/21/04
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 Substitute Form PTO-1449
(Modified)

 U.S. Department of Commerce
Patent and Trademark Office

 Attorney's Docket No.
10449-033001

 Application No.
09/748,400

**Information Disclosure Statement
by Applicant**
(Use several sheets if necessary)

CFR §1.98(b)

 Applicant
Koji Hayashi et al.

 Filing Date
December 26, 2000

Group Art Unit

2653
U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
<i>lc</i>	AL	1998-028125	15.07.98	Korea	/	/		
<i>lc</i>	AM	1999-024893	06.04.99	Korea	/	/		
<i>lc</i>	AN	63-52393	05.03.88	Japan	/	/		
<i>lc</i>	AO	H11-66745	09.03.99	Japan	/	/		
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Other Documents (include Author, Title, Date, and Place of Publication)

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Date Considered

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Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) 37 CFR § 1.102(b)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-033001	Application No. 09/748,400
	Applicant Koji Hayashi et al.		
	Filing Date December 26, 2000	Group Art Unit 2615 2653	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>KE</i>	AA	5,010,534	04/23/91	Enari et al.			
<i>KE</i>	AB	5,477,516	12/19/95	Takezawa			
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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
	AL						Yes	No
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	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
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	AS	
	AT	

Examiner Signature <i>Kim Kim</i>	Date Considered <i>7/21/04</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-033001	Application No. 09/748,400
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Koji Hayashi et al.	
		Filing Date December 26, 2000	Group Art Unit 2653

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
K	AA	4,507,767	03/26/85	Takasugi	/	/	
la	AB	4,546,462	10/08/85	Koishi et al.	/	/	
la	AC	4,800,548	01/24/89	Koishi et al.	/	/	
la	AD	4,831,611	05/16/89	Sasaki et al.	/	/	
Kc	AE	4,858,219	08/15/89	Yoshikawa	/	/	
Kc	AF	5,161,144	11/03/92	Takeuchi et al.	/	/	
Kc	AG	5,170,389	12/08/92	Numata et al.	/	/	
Kc	AH	5,521,893	05/28/96	Yamasaki et al.	/	/	
la	AI	5,682,366	10/28/97	Yamanaka et al.	/	/	

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
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Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AK	

Examiner Signature <i>Kim Chm</i>	Date Considered 7/21/04
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-033001	Application No. 09/748,400
Information Disclosure Statement by Applicant (37 CFR §1.98(b)) Use several sheets if necessary)		Applicant Koji Hayashi et al.	
		Filing Date December 26, 2000	Group Art Unit 2653

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
lc	AA	5,220,545	06/15/1993	Tomimitsu	/	/	
lc	AB	5,289,440	02/22/1994	Bakx	/	/	
lc	AC	5,436,875	07/25/1995	Shinada	/	/	
lc	AD	5,491,677	02/13/1996	Sasaki.	/	/	
lc	AE	5,532,991	07/02/1996	Sasaki.	/	/	
lc	AF	5,745,445	04/28/1998	Yasukohchi et al.	/	/	
lc	AG	5,815,472	09/29/1998	Kuroda et al	/	/	
lc	AH	5,818,801	10/06/1998	Watanabe et al.	/	/	
lc	AI	5,953,291	09/14/1999	Yasukohchi et al.	/	/	
lc	AJ	6,055,216	04/25/2000	Shintani	/	/	
lc	AK	6,115,337	09/05/2000	Takagi et al.	/	/	

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
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Examiner Signature <i>Kiran Chur</i>	Date Considered 7/20/04
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Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
10449-033001Application No.
09/748,400**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

Applicant
Koji Hayashi et al.Filing Date
December 26, 2000

Group Art Unit

2653

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
ke	AA	5,212,678	05/18/93	Roth et al.	369	47.33	
ke	AB	5,463,607	10/31/95	Roth et al.	369	47.33	
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Technology Center 2600**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
ke	AL	3-228266	10/09/91	Japan	/	/	X	
ke	AM	2-226066 2-223066	09/05/90	Japan	/	/	X	
ke	AN	2000-40302	02/08/00	Japan	/	/	X	
ke	AO	10-49990	02/20/98	Japan	/	/	X	
ke	AP	10-63433	03/06/98	Japan	/	/	X	

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	Applicant Koji Hayashi et al.			
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,212,678	05/18/93	Roth et al.			
	AB	5,463,607	10/31/95	Roth et al.			
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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	3-228266	10/09/91	Japan			X	
	AM	2-223066	09/05/90	Japan			X	
	AN	2000-40302	02/08/00	Japan			X	
	AO	10-49990	02/20/98	Japan			X	
	AP	10-63433	03/06/98	Japan			X	

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